

## **Abstract**

5                   Methods and systems are disclosed for  
providing multimedia telecommunication services to  
multimedia workstations. The multimedia workstations  
communicate with a multimedia central office which  
includes a digital switch complex coupled to a public  
10 digital telephone network, and at least one twisted pair  
transceiver coupled to at least one twisted pair link in  
a telephone loop plant. The multimedia central office  
further includes at least one switch complex operatively  
associated with the digital switch complex and the at  
15 least one twisted pair transceiver. The multimedia  
central office is capable of transceiving signals with  
multimedia workstations interfaced to the public digital  
telephone network, and with multimedia workstations  
interfaced to the at least one twisted pair link in the  
20 telephone loop plant. The signals which are transceived  
include audio signals, video signals, and digital data  
signals used in providing the multimedia  
telecommunication services.